

Title (en)

Locating femto cells with passive assistance from a macro cellular wireless network

Title (de)

Lokalisierung von Femto-Zellen mit passiver Hilfe von einem Makrozellularen drahtlosen Netzwerk

Title (fr)

Localisation de femtocellules avec une assistance passive à partir d'un réseau sans fil macrocellulaire

Publication

**EP 2273825 A2 20110112 (EN)**

Application

**EP 10168859 A 20081010**

Priority

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- US 97979907 P 20071012
- US 24870508 A 20081009

Abstract (en)

A method (system and computer product) for augmenting a user's equipment (UE) database for locating femto cells, the method comprising: performing RF measurements by a plurality of UEs, wherein RF measurements determine a location of a femto cell based on the UE's location relative to at least one macro cell; sending the location information from the UEs to a back-end server; processing at the back-end server the locations to average location for the femto cell; connecting a UE to the back-end server; and downloading the average location for the femto cell into the UE's database.

IPC 8 full level

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CPC (source: CN EP KR US)

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**US 24824708 A 20081009;** AU 2008310677 A 20081010; AU 2008310730 A 20081010; BR PI0817766 A 20081010; BR PI0818362 A 20081010; BR PI0823523 A 20081010; CA 2702224 A 20081010; CA 2702262 A 20081010; CA 2809102 A 20081010; CN 200880115740 A 20081010; CN 200880115754 A 20081010; CN 201310047358 A 20081010; CN 201310047445 A 20081010; CN 201310302992 A 20081010; CN 201310341649 A 20081010; CN 201610209696 A 20081010; EP 08837196 A 20081010; EP 08837296 A 20081010; EP 10168857 A 20081010; EP 10168859 A 20081010; EP 18150575 A 20081010; IL 20501210 A 20100411; IL 20501310 A 20100411; JP 2010529080 A 20081010; JP 2010529098 A 20081010; JP 2012269248 A 20121210; JP 2013153927 A 20130724; JP 2015117560 A 20150610; KR 20107010344 A 20081010; KR 20107010483 A 20081010; KR 20117028458 A 20081010; KR 20117031220 A 20081010; KR 20117031221 A 20081010; MX 2010003964 A 20081010; MX 2010003965 A 20081010; PH 12013501044 A 20130522; PH 12013501045 A 20130522; RU 2010119033 A 20081010; RU 2010119034 A 20081010; SG 2013002605 A 20081010; SG 2013003090 A 20081010; SG 2013003116 A 20081010; TW 101125552 A 20081013; TW 101145340 A 20081013; TW 97139232 A 20081013; TW 97139251 A 20081013; UA A201005714 A 20081010; UA A201005717 A 20081010; UA A201201390 A 20081010; UA A201205898 A 20081010; UA A201205899 A 20081010; US 2008079515 W 20081010; US 2008079568 W 20081010; US 24870508 A 20081009